This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.   (Currently amended) A system for executing a function in a second process from a first process, comprising ~~a function controller, the function controller~~:

    a processor;

    a computer readable storage medium in communication with the processor; and

    a function controller, wherein the function controller is configured to

    ~~allocating~~ allocate space in a second process from a first process;

    ~~writing~~ write a stub function into the allocated space in the second process; and

    ~~passing~~ pass a single parameter to the stub function written into the allocated space in the second process, the single parameter identifying the function within the second process to execute, and at least one parameter required by the function to execute, wherein the first process controls the second process by executing the stub function.

2.   (Currently amended) The system of claim 1, wherein the function controller is further configured to ~~returns~~ return the result of execution of the function ~~to execute~~ to the first process.

3.   (Canceled)

4.   (Original) The system of claim 1, wherein the function within the second process to execute requires a plurality of parameters.

5.   (Original) The system of claim 1, wherein the single parameter passed to the stub function comprises a pointer to a location in memory in the second process.

6.   (Original) The system of claim 5, wherein the location in memory comprises an address, the address comprising the location of the function to execute in the second process.

7.   (Original) The system of claim 6, wherein the address comprises the location of at least one parameter required by the function to execute.

8.   (Original) The system of claim 1, wherein the result of executing the function to execute is returned to the first process.

9.   (Original) The system of claim 8, wherein the result of executing the function to execute is returned to the first process by providing a pointer to the first process, the pointer pointing to stored data, the stored data comprising the result of executing the function to execute.

10.   (Currently amended) The system of claim 9, wherein the pointer ~~points~~ is configured to point to memory in the second process.

11.   (Currently amended) A method for ~~first process to control a second process~~ executing a ~~function within a second process~~ from a first process, wherein said method is performed on a computer, the method comprising:

        allocating space within the second process;

        writing a stub function into the allocated space within the second process; and

        identifying to the stub function the function in the second process to execute by passing information to the stub function, wherein the first process controls the second process by executing the stub function.

12.   (Original) The method of claim 11, wherein the information passed to the stub function comprises an address in memory within the second process.

13.   (Original) The method of claim 11, wherein the function in the second process to be executed by the stub function in the second process is identified by providing a pointer to a location in memory in the second process at which the function to be executed is stored.

14.   (Original) The method of claim 13, wherein at least one parameter required by the function to be executed is identified by providing an offset from the location in memory at which the function to be executed is stored.

15.   (Original) The method of claim 13, further comprising receiving from the stub function in the second process a result of executing the function identified by the pointer to the location in memory.

16.   (Canceled)

17.   (Original) The method of claim 13, wherein the stub function is executed by creating a thread in the second process to execute the stub function.

18.   (Currently amended) A computer-readable storage medium ~~including~~ having computer-executable instructions for a first process to cause the execution of ~~to execute~~ a function within a second process ~~from a first process by~~ stored thereon, the computer-executable instructions comprising instructions for:

        allocating space within the second process;

        writing a stub function into the allocated space within the second process;

        identifying to the stub function a function to execute in the second process by passing the stub function a single parameter, the parameter comprising a pointer to an address in memory in the second process, wherein the first process controls the second process by executing the stub function.

19.   (Currently amended) The computer-readable storage medium of claim 18, further comprising instructions for receiving from the stub function a result of executing the function in the second process.

20.   (Currently amended) The computer-readable storage medium of claim 18, wherein the function to execute requires a plurality of input parameters.

21.   (Currently amended) The computer-readable storage medium of claim 20, wherein the
sub function initializes the plurality of input parameters to values located at specified offsets
from the address in memory pointed to by the pointer.

22.   (Currently amended) The computer-readable storage medium of claim 19, wherein the
result of executing the function in the second process is stored at a location received from the
stub function as an output parameter.